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## **AMENDMENTS TO THE SPECIFICATION**

1. Please replace the Title of the invention as follows:

Information Retrieval System for Displaying Additional Information with Audio-Visual Images

so as to read

Information Retrieval System for Displaying Additional Information with Audio-Visual Images

2. Please replace paragraph [0036] as follows:

The multimedia interactive television system of the present invention is illustrated in schematic form in Figure 2. As shown in Figure 2, a cable, telephone service provider, satellite company, Standard TV Station, or Internet Service Provider 1 provides a channel of television/video service and a channel of data service, over a T/T cable 20 to the equipment of one or more users, which is coupled to the cable or telephone system. Although in this specification reference is made to a cable television or telephone system, it will be appreciated by one skilled in the art that the present invention may be used in conjunction with a variety of other electronic transmission systems including but not limited to, satellite service systems, microwave systems, fiber optic, and radio frequency (RF) systems. As illustrated in Figure 2, the T/T cable 20 is coupled to an A/V transceiver 21, which comprises two separately identifiable modules, an[[d]] A/V connection module 18 and a main module 19. The transceiver 21 is intended to be located in proximity to and coupled to a VCR, DVD or other A/V device 2, a television ("TV") 3, and some type of service provider 1 as explained previously. Moreover, it is contemplated that transceiver 21 may be directly incorporated into the VCR, DVD or other A/V device 2, or the TV 3. As will be described in greater detail below, a remote control device 15 communicates, preferably through a wireless transmission signal (for example, an infrared (IR) signal), or other mechanisms known in the art, with the transceiver 21. Additionally, as illustrated in Figure 2, the transceiver 21 is further capable of communicating with the television 3, and the VCR, DVD or other A/V devices through infrared or other communication means known in the art.

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("TV") 3, and some type of service provider 1 as explained previously. Moreover, it is contemplated that transceiver 21 may be directly incorporated into the VCR, DVD or other A/V device 2, or the TV 3. As will be described in greater detail below, a remote control device 15 communicates, preferably through a wireless transmission signal (for example, an infrared (IR) signal), or other mechanisms known in the art, with the transceiver 21. Additionally, as illustrated in Figure 2, the transceiver 21 is further capable of communicating with the television 3, and the VCR, DVD or other A/V devices through infrared or other communication means known in the art.

### 3. Please replace paragraph [0039] as follows:

Referring now to Figure 4 one possible and the current preferred embodiment of the remote control device 15 is shown in further detail. The functionality of the buttons and their usage will be described below. The remote control device 15 of the present invention resembles a standard electronic remote control unit, consisting mainly of a numeric keypad 26 [[25]], miscellaneous switching buttons to switch between usage of peripheral devices such as TV, DVD, VCR or other A/V devices, a Web button 22, a Links button 23, a Close button 31 [[29]] and multi-buttons 24, 25, 28, 29. A graphical digital overlay on the screen will facilitate selection of choices from one to another.

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### 4. Please replace paragraph [0050] as follows:

Figures 10a and 10b show the front and side views of the improved controller of this invention. This controller 1001 cooperates with the improved circuitry and programming incorporated into the functions of figure 1 to provide additional functions and features of this invention. When used with this system this controller 1001 replaces and/or augments the previously described controller 15 in communication with the IR Control 14 of figure 1, via an IR window 1002. Like the previously described controller 15, this improved controller 1001 has a numeric keypad 1008, a set of switching buttons 1004, which in the present preferred embodiment include a Stop, Pause, FWD (forward), VCR, TV, Web, DVD and RWD (rewind) buttons each of which permits the user to activate and/or switch between audio-visual devices. The keypad 1008 buttons typically have multiple uses, for example buttons 1006, 1007, 1011 and 1012 may be used as curser directional controls when the Web button has been pressed selecting Internet access. A Query button and function 1005 is provided to select and display the digital data channel information as a digital graphical overlay, both previously described and by activating a function in the CPU 12 which shows all available items for each individual scene on a selectable menu bar. The digital graphical overlay of numbers continues to be displayed on the television until the Close button/function 1009 is selected or until the user has selected a link.

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Link selection is typically accomplished by the user entering the corresponding number from the numeric keypad 1008 and depressing the Enter key 1013, at which point the signal is communicated to the IR Control 14, which converts the IR signal to an electrical signal constituting a link selection command. The CPU 12 upon receipt of the link selection command creates the URL for the selected scene content by locating and affixing the required URL (web site) information, i.e., http:// and www.adquery.com/ as well as html prefixes and suffixes as required. The CPU 12 interacts with an on-line database to retrieve the related information for each screen display, via the Internet service provider signal 1. By permitting the user to select an item on the television 3, have that selection communicated to the CPU 12 which accesses the online database to collect the required identification information, and which then creates the URL information, activating the internet connection 1 and downloading the Web site information associated with the particular selected item, this invention provides an easy remote-controllable means for a user to acquire information of interest from broadcast or pre-recorded television displayable programming. The improved main module 18 is capable of performing as a local Internet data server for one or more users, who typically enter their user identification on the keyboard 1008 for communication via the IR Control 14 [[104]] to the CPU 12. This feature permits users to customize their particular scene content display or to surf the Internet independently based on their particular interests. A display screen 1003, typically an LCD screen is provided on the controller 1001 to aid in the process of user customization feedback. For example, by viewing the display screen 1003 a user will be able to tell immediately whether the system is configured with their specific requirements or whether the user must enter his of her identification. A Book button/function 1015 is provided to give a quick interface to either bookmark a selected item or to review the previously saved bookmarks. Figure 10b shows the side view 1014 of the controller 1001.

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Figures 10a and 10b show the front and side views of the improved controller of this invention. This controller 1001 cooperates with the improved circuitry and programming incorporated into the functions of figure 1 to provide additional functions and features of this invention. When used with this system this controller 1001 replaces and/or augments the previously described controller 15 in communication with the IR Control 14 of figure 1, via an IR window 1002. Like the previously described controller 15, this improved controller 1001 has a numeric keypad 1008, a set of switching buttons 1004, which in the present preferred embodiment include a Stop, Pause, FWD (forward), VCR, TV, Web, DVD and RWD (rewind) buttons each of which permits the user to activate and/or switch between audio-visual devices. The keypad 1008 buttons typically have multiple uses, for example buttons 1006, 1007, 1011 and 1012 may be used as curser directional controls when the Web button has been pressed selecting Internet access. A Query button and function 1005 is provided to select and display the digital data channel information as a digital graphical overlay, both previously described and by activating a function in the CPU 12 which shows all available items for each individual scene on a selectable menu bar. The digital graphical overlay of numbers continues to be displayed on the television until the Close button/function 1009 is selected or until the user has selected a link. Link selection is typically accomplished by the user entering the corresponding number from the numeric keypad 1008 and depressing the Enter key 1013, at which point the signal is communicated to the IR Control 14, which converts the IR signal to an electrical signal constituting a link selection command. The CPU 12 upon receipt of the link selection command creates the URL for the selected scene content by locating and affixing the required URL (web site) information, i.e., http:// and www.adquery.com/ as well as html prefixes and suffixes as 1753165.1

PAGE 5/20 \* RCVD AT 11/21/2005 3:19:53 PM [Eastern Standard Time] \* SVR:USPTO-EFXRF-6/33 \* DNIS:2738300 \* CSID:602 382 6070 \* DURATION (mm-ss):06-22

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required. The CPU 12 interacts with an on-line database to retrieve the related information for each screen display, via the Internet service provider signal 1. By permitting the user to select an item on the television 3, have that selection communicated to the CPU 12 which accesses the online database to collect the required identification information, and which then creates the URL information, activating the internet connection 1 and downloading the Web site information associated with the particular selected item, this invention provides an easy remote-controllable means for a user to acquire information of interest from broadcast or pre-recorded television displayable programming. The improved main module 18 is capable of performing as a local Internet data server for one or more users, who typically enter their user identification on the keyboard 1008 for communication via the IR Control 14 to the CPU 12. This feature permits users to customize their particular scene content display or to surf the Internet independently based on their particular interests. A display screen 1003, typically an LCD screen is provided on the controller 1001 to aid in the process of user customization feedback. For example, by viewing the display screen 1003 a user will be able to tell immediately whether the system is configured with their specific requirements or whether the user must enter his of her identification. A Book button/function 1015 is provided to give a quick interface to either. bookmark a selected item or to review the previously saved bookmarks. Figure 10b shows the side view 1014 of the controller 1001.

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